

# Memorandum

To: DISTRICT LANDSCAPE ARCHITECTS

Date: March 25, 1999

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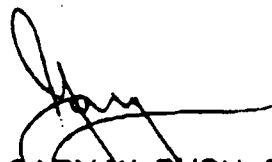
From: DEPARTMENT OF TRANSPORTATION  
OFFICE OF STATE LANDSCAPE ARCHITECTURE

Subject: Booster Pump Plans

Recently, booster pumps have been elements of irrigation designs without booster pump plans being included with the Plans Specifications and Estimate (PS&E) packages. It is Caltrans policy for all booster pumps to be designed and plans signed by the Mechanical and Electrical Engineers in the Engineering Service Center, Office of Structures Design, Electrical Mechanical Water, and Wastewater (EMW&W) Branch. Office of Office Engineer will return PS&E packages to the district if proper plan sheets and specifications are not included with the submittal.

Dennis Scharosh, Chief of Office of Structures Design, EMW&W Branch should be contacted as soon as the designer knows a booster pump will be required. His phone number is Calnet 498-8337. The Mechanical and Electrical Engineers should be considered members of the Project Development Team on these projects. Booster pump systems can cost anywhere from \$7,500 to \$40,000 and, should therefore, be identified and included in the PSR estimate. Early involvement of the Mechanical and Electrical Engineer could save many hours of irrigation redesign.

To develop the PS&E booster pump design and estimate, the Mechanical and Electrical Engineer will need water pressure and gallon per minute requirements and draft irrigation plans. A typical project will require approximately three months for the preparation of the booster pump PS&E.



GARY W. BUSH, Chief  
Office of State Landscape Architecture

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